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Amendments to the Claims:

This following Claim Listing will replace all prior versions, and listings, of claims in the application.

Please add new claims 183-185.

Please amend claims 83 and 91 as indicated below. Material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[]].

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 Serial No. 10/791,974
 HP Docket No. 10004227-9
 KH Docket No. HPCC 3E5DIV

Claim Listing:

1-82. (Canceled)

83. (Currently Amended) A method of administering a bioactive composition to a subject, the method comprising:

applying to a cutaneous surface of the subject a jet dispenser comprising a container holding the bioactive composition;

dispensing the bioactive composition in droplets from the dispenser through at least one orifice toward the cutaneous surface such that the bioactive composition becomes airborne upon leaving the at least one orifice and remains airborne until coming into contact with the cutaneous surface or a dermal patch thereon; and

retaining the bioactive composition in prolonged contact with the cutaneous surface.

84. (Previously Presented) A method according to claim 83, wherein retaining the bioactive composition in prolonged contact with the cutaneous surface comprises dispensing the bioactive composition on to a dermal patch that is retained on the cutaneous surface.

85. (Previously Presented) A method according to claim 84, wherein the dermal patch is an adhesive dermal patch that is applied to the cutaneous surface prior to dispensing the bioactive composition from the dispenser.

86. (Previously Presented) A method according to claim 85, wherein the dermal patch comprises a selectively removable cover that is removed prior to dispensing the bioactive composition into the patch, and is subsequently replaced on the patch to improve retention of the bioactive composition in the patch.

87. (Previously Presented) A method according to claim 83, wherein retaining the bioactive composition in prolonged contact with the cutaneous surface comprises providing a seal between the dispenser and cutaneous surface, to form a substantially sealed chamber between the dispenser and the cutaneous surface, and retaining the dispenser in prolonged contact with the seal.

88. (Previously Presented) A method according to claim 83, further comprising repeatedly dispensing the bioactive composition toward the cutaneous surface.

89. (Previously Presented) A method according to 88, further comprising resupplying the dispenser with the bioactive substance.

90. (Previously Presented) A method according to claim 89, wherein resupplying the dispenser comprises replacing a container in the dispenser.

91. (Currently Amended) A method of administering a bioactive composition to a subject, the method comprising:

applying a cutaneous patch to skin of the subject; and
dispensing the bioactive composition from an inkjet dispenser by ejection through an orifice spaced from and directly above a face of [[to]] the patch.

92. (Previously Presented) A method according to claim 91, further comprising dispensing the bioactive composition to the patch at intervals to provide sustained dosages of the bioactive composition from the patch to the subject.

93. (Previously Presented) A method according to claim 92, wherein the intervals are preselected intervals.

94. (Previously Presented) A method according to claim 91 further comprising dispensing the bioactive composition from the dispenser to the patch when an amount of the bioactive composition in the patch falls below a desired level.

95. (Previously Presented) A method according to claim 91:
wherein said dispensing further comprises dispensing a second substance from the dispenser to the patch; and

the method further comprises mixing the bioactive composition with dispensing.

96. (Previously Presented) A method according to claim 95 wherein said mixing occurs between said orifice and said patch.

97. (Previously Presented) A method according to claim 95 wherein said mixing occurs within said patch.

98. (Previously Presented) A method according to 91 further comprising containing said bioactive composition with a container portion of said inkjet dispenser prior to said dispensing.

99. (Previously Presented) A method according to claim 98 further comprising refilling said container portion with said bioactive composition.

100. (Previously Presented) A method according to claim 99 further comprising removing said container portion from the inkjet dispenser prior to said refilling, and after said refilling, replacing said container portion for further dispensing.

101. (Canceled)

102. (Previously Presented) A method according to claim 83, wherein said dispensing comprises using a thermal droplet jet dispenser.

103. (Previously Presented) A method according to claim 83, wherein said dispensing comprises using a piezoelectric droplet jet dispenser.

104. (Previously Presented) A method according to claim 83, wherein said dispensing comprises using a silicon electrostatic actuated droplet jet dispenser.

105. (Previously Presented) A method according to claim 91, wherein said inkjet dispenser used in said dispensing comprises a thermal inkjet dispenser, wherein dispensing the bioactive composition from the thermal inkjet dispenser comprises

receiving the bioactive composition into a feed chamber from a reservoir in the dispenser;

flowing the bioactive composition from the feed chamber into a vaporization chamber in the dispenser;

energizing a firing resistor in the vaporization chamber; and

ejecting the bioactive composition as a droplet from the vaporization chamber.

106. (Previously Presented) A method according to claim 91, wherein said inkjet dispenser used in said dispensing comprises a piezoelectric inkjet dispenser, wherein dispensing the bioactive composition from the piezoelectric inkjet dispenser comprises

receiving the bioactive composition into a piezoelectric chamber from a storage chamber in the dispenser;

passing an electric current through a piezoelectric member in the chamber, thereby expanding the piezoelectric member; and

expelling the bioactive composition as a droplet from the vaporization chamber.

107. (Previously Presented) A method according to claim 91, wherein said inkjet dispenser used in said dispensing comprises a silicon electrostatic actuated inkjet dispenser.

108. (Previously Presented) A method according to claim 83, further comprising:

optically reading subject identification information with an optical reading device of said jet dispenser;

correlating said subject identification information with prescribed dosage information; and

wherein said dispensing comprises dispensing the bioactive composition according to said prescribed dosage information.

109. (Previously Presented) A method according to claim 91, further comprising:

optically reading subject identification information with an optical reading device of said inkjet dispenser;

correlating said subject identification information with prescribed dosage information; and

wherein said dispensing comprises dispensing the bioactive composition according to said prescribed dosage information.

110-117. (Canceled)

118. (Previously Presented) A method according to claim 83, further comprising:

monitoring a physical parameter of the subject; and

in response to said monitoring, adjusting said dispensing.

119. (Previously Presented) A method according to claim 118, wherein said physical parameter comprises heartbeats.

120. (Previously Presented) A method according to claim 118, wherein said physical parameter comprises breathing.

121. (Canceled)

122. (Canceled)

123. (Previously Presented) A method according to claim 118, wherein said monitoring comprises using a monitor portion of the jet dispenser.

124. (Previously Presented) A method according to claim 123, wherein said monitor portion comprises a mechanical sensor.

125. (Previously Presented) A method according to claim 124, wherein said mechanical sensor comprises an accelerometer.

126. (Previously Presented) A method according to claim 91, further comprising:

monitoring a physical parameter of the subject; and
in response to said monitoring, adjusting said dispensing.

127. (Previously Presented) A method according to claim 126, wherein said physical parameter comprises heartbeats.

128. (Previously Presented) A method according to claim 126, wherein said physical parameter comprises breathing.

129. (Canceled)

130. (Canceled)

131. (Previously Presented) A method according to claim 126, wherein said monitoring comprises using a monitor portion of the jet dispenser.

132. (Previously Presented) A method according to claim 131, wherein said monitor portion comprises a mechanical sensor.

133. (Previously Presented) A method according to claim 132, wherein said mechanical sensor comprises an accelerometer.

134. (Canceled)

135. (Canceled)

136. (Previously Presented) A method according to claim 83, further comprising:

applying a bioactive composition attracting agent to a treatment location on the cutaneous surface of the subject;

pulling the bioactive composition toward said agent; and

penetrating said agent with the bioactive composition to treat the treatment location with the bioactive composition.

137-139. (Canceled)

140. (Previously Presented) A method according to claim 83, further comprising manually triggering an activation device after said applying and before said dispensing, with said dispensing occurring in response to said triggering.

141. (Previously Presented) A method according to claim 91, further comprising manually triggering an activation device after said applying and before said dispensing, with said dispensing occurring in response to said triggering.

142-147. (Canceled)

148. (Previously Presented) A method according to claim 83, further comprising:

storing the bioactive composition in a collapsible bladder; and

conveying the bioactive composition from the collapsible bladder to the jet dispenser.

149. (Previously Presented) A method according to claim 148 wherein said conveying comprises conveying the bioactive composition through tubing.

150. (Previously Presented) A method according to claim 91, further comprising:

storing the bioactive composition in a collapsible bladder; and
conveying the bioactive composition from the collapsible bladder to the inkjet dispenser through tubing.

151-182. (Canceled)

183. (New) The method according to claim 83, wherein dispensing is performed with the orifice spaced from and directly above the cutaneous surface or the dermal patch that the bioactive composition will contact.

184. (New) The method according to claim 91, wherein dispensing is performed such that the bioactive composition becomes airborne upon leaving the orifice and remains airborne until the bioactive composition comes into contact with the patch.

185. (New) The method according to claim 91, wherein dispensing includes dispensing the bioactive composition as droplets that travel from the orifice to the patch across an air gap that extends directly from the orifice to the patch.